

(12) NACH DEM VEREIN ÜBER DIE INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES
PATENTWESENS (PCT) VERÖFFENTLICHTE INTERNATIONALE ANMELDUNG

(19) Weltorganisation für geistiges Eigentum
Internationales Büro



(43) Internationales Veröffentlichungsdatum
22. Januar 2004 (22.01.2004)

PCT

(10) Internationale Veröffentlichungsnummer
WO 2004/007412 A1

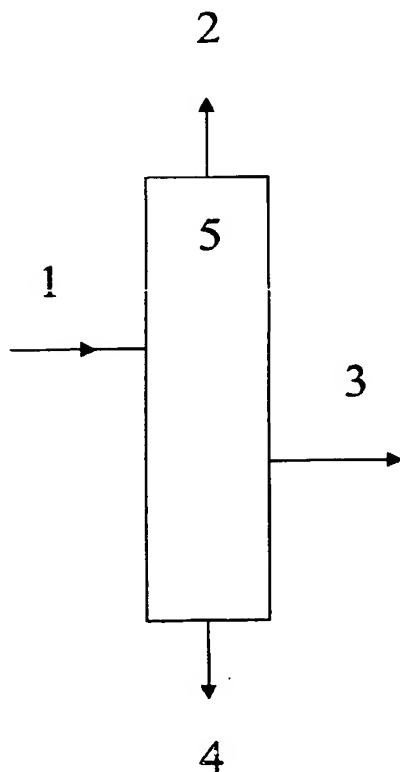
(51) Internationale Patentklassifikation⁷: **C07C 41/42**
(21) Internationales Aktenzeichen: **PCT/EP2003/006300**
(22) Internationales Anmeldedatum:
14. Juni 2003 (14.06.2003)
(25) Einreichungssprache: **Deutsch**
(26) Veröffentlichungssprache: **Deutsch**
(30) Angaben zur Priorität:
102 31 051.3 10. Juli 2002 (10.07.2002) **DE**
(71) Anmelder (für alle Bestimmungsstaaten mit Ausnahme
von US): **OXENO OLEFINCHEMIE GMBH [DE/DE];**
Paul-Baumann-Strasse 1, 45772 Marl (DE).

(72) Erfinder; und
(75) Erfinder/Anmelder (nur für US): **OBENAU, Fritz**
[DE/DE]; Jupiterweg 60, 45770 Marl (DE). **DROSTE,**
Wilhelm [DE/DE]; Pommernstrasse 4 a, 45770 Marl (DE).
SCHOLZ, Bernhard [DE/DE]; Brüggenpoth 55, 45768
Marl (DE). **NIERLICH, Franz [AT/DE];** Vikariestrasse
16, 45768 Marl (DE). **MALZKORN, Rainer [DE/DE];**
Am Rehbaum 20, 46282 Dorsten (DE). **PETERS, Udo**
[DE/DE]; Neulandstrasse 116, 45770 Marl (DE). **PRAE-**
FKE, Jochen [DE/DE]; Drewerstrasse 90, 45770 Marl
(DE). **FILIPIAK, Richard [DE/DE];** Lisztstrasse 24,
45772 Marl (DE). **NEUMEISTER, Joachim [DE/DE];** In
der Wiem 4, 45721 Haltern am See (DE).

[Fortsetzung auf der nächsten Seite]

(54) Title: METHOD FOR PRODUCING HIGH-PURITY METHYL TERT-BUTYL ETHER

(54) Bezeichnung: VERFAHREN ZUR HERSTELLUNG VON HOCHREINEM METHYL-TERT.-BUTYLETHER



(57) Abstract: The invention relates to a method for producing methyl tert-butyl ether (MTBE) in qualities which are suitable for organic syntheses and for using as special solvents, from MTBE in fuel quality. The inventive method is characterised in that technical MTBE is separated into a fraction having a low boiling point and containing MTBE, methanol and water, a fraction having an average boiling point and containing MTBE at a level of purity higher than 99.7 %, and a fraction having a high boiling point and containing TBA and butene oligomers.

(57) Zusammenfassung: Die Erfindung betrifft ein Verfahren zur Herstellung von Methyl-tert.-butylether (MTBE) in Qualitäten, die für organische Synthesen und zur Verwendung als Speziallösemittel geeignet sind, aus MTBE in Kraftstoffqualität. Das Verfahren wird dadurch gekennzeichnet, dass das technische MTBE in eine Leichtsiederfraktion, enthaltend MTBE, Methanol und Wasser, eine Mittelfraktion enthaltend MTBE in einer Reinheit grösser als 99,7 % und eine Hochsiederfraktion, enthaltend TBA und Butenoligomere, getrennt wird.

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INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP 03/06300

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C41/42

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 210 327 A (LUEBKE CHARLES P ET AL) 11 May 1993 (1993-05-11) claims 1,6,11	1-10
A	US 5 609 734 A (STREICHER CHRISTIAN ET AL) 11 March 1997 (1997-03-11) column 8, line 55 - column 10, line 12; figure 2	1-10
X	EP 0 466 954 A (CHEMICAL RES & LICENSIN) 22 January 1992 (1992-01-22) page 3, line 30 - line 36	11

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

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Date of the actual completion of the international search

17 October 2003

Date of mailing of the international search report

24/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl
Fax: (+31-70) 340-3016

Authorized officer

Janus, S.